

## CUMBERLAND GAP NATIONAL HISTORICAL PARK

### PUBLIC USE COUNTING AND REPORTING INSTRUCTIONS

Following are detailed instructions for collecting and reporting data to be entered on Form 10-157, Revised, Monthly Public Use Report by Cumberland Gap National Historical Park. These instructions are effective the date of issuance and will continue in effect unless changed by amendment or by memorandum from the Socio-Economic Studies Division to the superintendent approving a requested change.

Each item below describes the procedures to be followed in collecting public use data and summarizing the various elements of those data for entry on the corresponding line on the 10-157, Monthly Public Use Report.

#### Recreation Visits

1. A traffic counter is located across Highway 988. The traffic count is reduced by nonreportable vehicles (100 per month). The reduced traffic is multiplied by 0.40 to estimated the number of recreation vehicles. The adjusted traffic count is multiplied by the persons-per-vehicle (PPV) multiplier of 2.7.
2. A traffic counter is located across the entrance to Iron Furnace. The traffic count is reduced for the number of non-reportable vehicles (100 each month). The reduced traffic count is multiplied by the PPV multiplier of **2.0**.
3. A traffic counter is located across the entrance to the main gate. The traffic count is reduced for the number of non-reportable vehicles (400 each month) and buses. The reduced traffic count is multiplied by the PPV multiplier of **2.0**.
4. A traffic counter is located across the entrance to Sugar Run Picnic area. The traffic count is reduced for the number of non-reportable vehicles (100 each month). The reduced traffic count is multiplied by the PPV multiplier of **3.2 June, July and August or 2.6 September through May.**
5. A traffic counter is located across the entrance to Wilderness road area. The traffic count is reduced for the number of non-reportable vehicles (100 each month). The reduced traffic count is multiplied by the PPV multiplier of **3.2 June, July and August or 2.6 September through May.**
6. A traffic counter is located across the entrance to Pinnacle. The traffic count is reduced for the number of non-reportable vehicles (70 each month). The reduced traffic count is multiplied by the PPV multiplier of **3.2 June, July and August or 2.6 September through May..**
7. The number of visitors that arrive by bus.
8. The number of backcountry campers.
9. The number of visitors signing trail registers at Chadwell Gap, Gibson Gap, Hensley Settlement, Ridge Trail, and Tri-State Trail. The register count is multiplied by 1.60 to account for those visitors not signing the trail register.

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10. The number of visitors signing the trail register at Ewing Trail. The register count is multiplied by 1.75 to account for those visitors not signing the trail register.

#### **Nonrecreation Visits**

1. An inductive loop traffic counter is located across Highway 988. The traffic count is reduced by non-reportable vehicles (100 per month). The reduced traffic is multiplied by 0.60 to estimate the number of non-recreation vehicles. The adjusted traffic count is multiplied by the PPV multiplier of 2.7.
2. Inductive loop counters are located on US25E on the north and south lanes. The traffic counts are summed and divided by two to adjust for same day re-entries. The adjusted traffic count is multiplied by the PPV multiplier of 1.4.
3. Inductive loop counters are located on Highway 58 east and west bound lanes. The traffic counts are multiplied by two to count all four lanes and then divided by two to adjust for same day re-entries. The adjusted traffic count is multiplied by the PPV multiplier of 1.4.

#### **Recreation Visitor Hours**

Recreation visitor hours are the sum of the length-of-stays at the locations listed in Table 1. Each category is multiplied by its associated length-of-stay.

#### **Nonrecreation Visitor Hours**

The number of non-recreation visitors is multiplied by 0.5 hour.

#### **Overnight Stays**

NPS Campgrounds - Wilderness Road Campground

The number of overnight stays by tent and RV campers.

NPS Backcountry - Caldwell Gap, Gibson Gab, Henley Horse Camp, Martins Fork and White Rocks

The number of overnight stays by backcountry campers.

NPS Miscellaneous - Wilderness Road Group Campsites

The number of nights stayed by group campers.

**Special Use Data**

- Line a. The number of visitors entering the visitor center
- Line b. The number of visitors to Pinnacle
- Line c. The number of backcountry visitors
- Line d. The number of visitors entering Sugar Run Picnic Area
- Line e. The number of visitors entering Iron Furnace
- Line f. The number of roadside visitors
- Line g. The number of recreation visitors on Highway 988
- Line h. The number of non-recreation visitors on Highway 988
- Line i. The number of non-recreation visitors on 25E
- Line j. The number of non-recreation visitors on Highway 58
- Line k. The number of buses

**Table 1****Recreation Visitor Hours by Location and Length-of-Stay**

LOCATION	LENGTH-OF-STAY
Chadwell Gap Trail	6.0 Hours
Ewing Trail	6.0 Hours
Gibson Gap Trail	6.0 Hours
Hensley Settlement Trail	4.0 Hours
Ridge Trail	2.0 Hours
Tri-State Trail	1.5 Hours
Iron Furnace	1.0 Hour
Main Gate	1.0 Hour
WR Area	4.0 Hours
Pinnacle	2.0 Hours
Sugar Run Picnic Area	4.0 Hours
Visitor Center	1.0 Hour
988 Recreation Visitors	.5 Hour
NPS Backcountry Campers	24 Hours Per Overnight
NPS Campground and NPS Group Campers	18 Hours Per Overnight

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